Prime Numbers & Riemann Zeta Function
Homogeneous Formula. Proof & Proposal. Superposition Matrix & Entangled Function

PRESS RELEASE

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The Paramount Law of Transformation
Biological Blueprint of the Universe
Omnia Permeat Omnia / Latin

2025-05-15 Dissertation or Thesis *Writing - original draft, Conceptualization, Formal analysis, Visualization:*
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Thesis (proposal)

Primes, Zeta Function & Riemann Hypothesis. HOMOGENEOUS FORMULA:

* SUPERPOSITION MATRIX & ENTANGLEMENT PROOF & PROPOSAL Prime Numbers, Zeta Function:
* entangled, yet, the kinetic pattern is calculated (via simultaneous calculations) within Analog(Binary), Inorganic(organic), fine structure constant (known as 1/137 dimensionless), number theory, electrons, protons, neutrons, photons, etc. Conclusion: Prime Numbers, Zeta Function is calculated & propagated simultaneously within the spectrum, yet, homogeneous formula composed of infinite energies, and corresponding energy(energies) fields.

The Design (paper: 15 05 2025)

*PRIMES & ZETA FUNCTION & RIEMANN HYPOTHESIS: kinetic crystals, pre-designed, symmetry within anti-symmetry, organic number theory

*Defined by patters: Zeta<=>0(1)m<=>"Gaps" within pattern (primes) are also
*Attraction & repulsion (number theory)

*The Paramount Law of Transformation. Biological Blueprint of the Universe: https://x.com/MARKQQ1/status/1923066822535926226 Video: https://x.com/MARKQQ1/status/1923070050958762145 The Design

*Zeta Function, Primes: Proof (Proposal): entangled within the spectrum
*Function: A(b)<=>B(a)
*Predesigned, nondeterministic (evolutionary spectrum)

Description

Zeta Function, Primes are entangled within the spectrum:

* A(b)<=>0(1)m<=>B(A). Analog(Binary) Functions (evolutionary, including "0")
* Number Theory: kinetic patterns (Zeta f.) & "gaps"
* Inorganic(organic) Functions (kinetic and/or potential)
* Simultaneously calculated within the spectrum
* Zeta Function/Primes: linked with atomic nucleus
* The Fine Structure Constant (evolutionary since Initiation Sequence/Big Bang: 1/137 & QED
* Zeta Function(s) Patterns: defined, simultaneously, by kinetic functions & "gaps" (Matrix intrinsic composition)
* Momentum: 0(1)m (within sequential patterns & sequential "gaps", yet, momentum 0(1)m
* Organic mathematics within Energy(space)Binary(simultaneous calculations): evolutionary sequence

Conclusions (from the Paper, and previous chapters).

The Superposition Matrix:

* Permeating kinetic compatibility, compatible opposite
* Permeating Symmetry & anti-Symmetry
* Permeating Matter & anti-Matter
* Analog & Mathematical Matrix

Homogeneous Formula:

* pre-Designed: conclusion based on the evolution of the Universe, Clusters, Local Group, Milky Way, Solar System, Earth(Moon), Species, Chromosomes, DNA, Neural Networks, etc.
* non-Deterministic: evolution & measurable approximations
* Energy(space/fields)Binary(simultaneous calculations): infinitely divisible
* Wave Function(s) is propagated via permeating kinetic Energies, and corresponding Energy(energies) fields
* Permeating kinetic dimensions propagate wave function (from permeating energies, and corresponding energy fields)
* The Formula is animated via infinite energies, and corresponding Energy Fields (EM Spectrum)
* Distance is irrelevant due to Homogeneous Formula (entanglement: electron(s) <=> 0(1)m<=> electron(s) (+/-)
* Spin measurement: frequency spatial oscillations, Vector(scalar) orientation is measured simultaneously
* Energy (energies) propagates its own space/kinetic fields, space, oscillations, frequencies, mathematical systems (mathematical calculations are entangled with analog, simultaneously)
* Vector(scalar) <=> 0(1)m<=>Scalar(vector) are entangled, exp.: Hz(m), and other measurement methods
* Time is a measurement
* within sub-Quantum (based on massless virtual particles emerging from "vacuum", and the Casimir Effect), Quantum dominions measurements are propagated within permeating kinetic states that animate wave functions. Proof: CMB (distribution of energies(space/fields)
* Electromagnetic Spectrum: Analog(Binary) Matrix within permeating Energies, and corresponding energy fields
* Double Slit Experiment suggests that patterns are distributed, simultaneously, within analog dimensions, yet, mathematically calculated, and the distribution of patterns (analog/binary measurements) indicate energies, and corresponding energy fields (subsequent measurements are, de facto, approximations, which indicate evolutionary spectrum, and the composition within Homogeneous Formula that is composed of infinite energies that are synthetized within Entangled Matrix, (a coupling effect)

Entangled electrons (entanglement in general):

* measurable spin(s), yet, spatial, mathematical orientation(s), provide tangible data about the electron's composition, yet, the composition within Homogeneous Formula
* permeating energies are simultaneously calculated within compatible/opposite energies & corresponding kinetic fields, where distance is irrelevant due to kinetic coupling (homogeneous

synthesis)

Photon(waves):

* Photons reflects transformative Energy(space/fields) within EM Spectrum and are calculated, simultaneously, within A(B)photon <=> 0(1)m<=>B(A)wave
* Photon is divisible as the wave function, yet, its own energy (energies of the photon within EM Spectrum)
* If photons are dynamically "squeezed" within extreme velocities, yet, extreme permeating dimensions, they tend to interact with each other, and no longer represent the energy of transformation(s) vs the reference point, yet, they are the energy of transformation/evolution within its own kinetic domain/proximity (based on a photon properties/measurements within "dark spots", the Sun's Core (evolution, and propagation sequence), yet, Vortex of Energy(space, so-called Black Holes).
* The glowing effect of light (photon/wave transformative) is caused by the dynamic interaction within permeating kinetic dimensions, and between the Photons, yet, the corresponding medium (kinetic reference point). The glowing effect is caused by dynamically permeating Energies, and corresponding Energy(energies) Fields (exp.: Earth's atmosphere where photons interact, and transform, the "bulb effect").
* The velocity of photons(waves), light is not constant across the spectrum, and mediums (in vacuum the speed of light measurement: 299 792 458 m/s vs corresponding reference point), yet, depends on the kinematic dimension photons(waves) interactions.

Country/Location of publication

Poland

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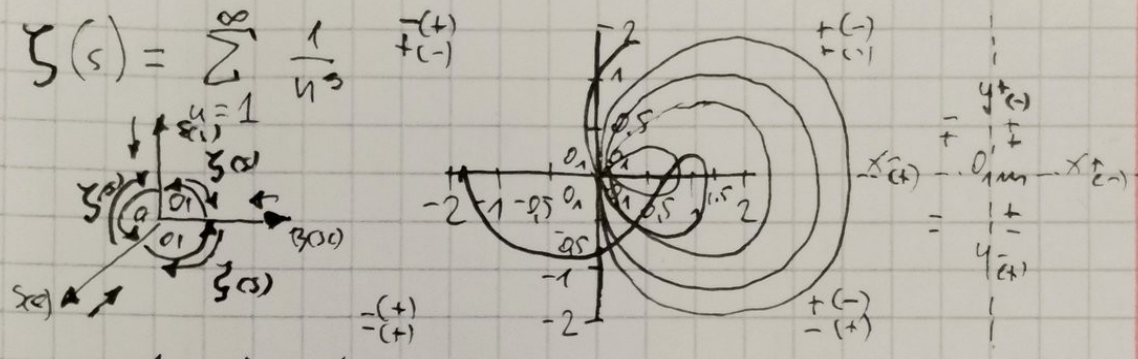
* HOMOGENEOUS FORMULA & THE RIEMAN THEORY.

$$\zeta(s) = \sum_{n=1}^{\infty} \frac{1}{n^s}$$



$$\zeta(s) = \frac{1}{1^s} + \frac{1}{2^s} + \frac{1}{3^s} + \frac{1}{4^s} + \frac{1}{5^s} + \dots, \quad s = 2+3i,$$

$$\zeta(2+3i) = \frac{1}{1^{2+3i}} + \frac{1}{2^{2+3i}} + \frac{1}{3^{2+3i}} + \frac{1}{4^{2+3i}} \dots \quad \zeta(2+3i) = + \frac{1}{2^s} + \frac{1}{3^s} + \frac{1}{4^s} + \frac{1}{5^s}$$

THE POLAR COORDINATES INDICATE SEQUENCE OF PRIME, YET,

710 RADIANS (710/2π) ROTATIONS : 113,00000959

$\frac{710}{113} \approx 2\pi$, $\frac{355}{113} \approx \pi$, YET $O_{(1)1m}$ POLAR COORDINATES IS AN INFINITE FUNCTION

PRIME NUMBERS: 2, 3, 5, 7, 11, 13, 17, 19, 23 ...

0, 1, 4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20, 21, 22.

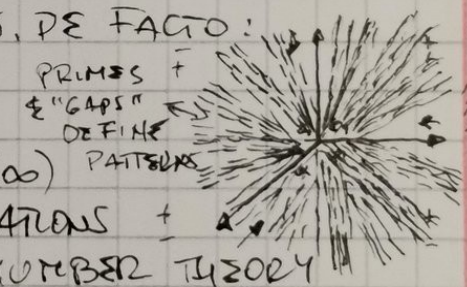
O_{1m}

CONCLUSION: THE PRIME NUMBERS, YET ZETA FUNCTION FROM THE PERSPECTIVE OF POLAR COORDINATES IS, DE FACTO:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 ...

* KINETIC CRYSTALS
* PREDESIGNED
* NON DETERMINISTIC (∞)
* SIMULTANEOUS CALCULATIONS ±
* ORGANIC WITHIN NUMBER THEORY
&
* PERMEATING SYMMETRY WITHIN ANTISYMMETRY
* KINETIC GAPS: O_{1m}, 1, 4, 6, 8, 9, 10, 12, 14, 16 ... DEFINE, EQUALLY, THE PERFORMANCE OF THE ZETA FUNCTION
* THE FUNCTION IS SYNTHESIZED WITHIN KINETIC FUNCTION OF PRIMES & KINETIC FUNCTION OF "GAPS" (SIMILAR TO ELECTRON ORBITALS, ORBITS

PRIMES + & "GAPS" DEFINE PATTERNS

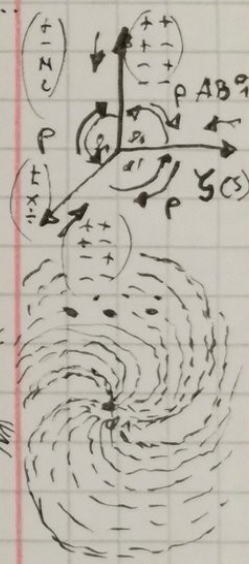


$\sum_{n=1}^{\infty} \frac{1}{n}$ DIVERGES (HARMONIC)

$\sum_{n=1}^{\infty} \frac{1}{n^s}$ CONVERGES $s > 1$

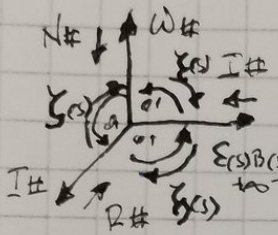
$6k+0$ O_{1m}
$6k+1$ O_{1m}
$6k+2$ O_{1m}
$6k+3$ O_{1m}
$6k+4$ O_{1m}
$6k+5$ O_{1m}

NEAR EUCLIDEAN CIRCLE $\approx 2\pi$

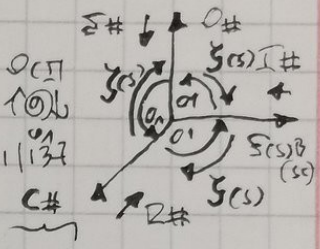


1s, 2s, 2p
3s, 3p, 3d
4s, 4p, 4d, 4f
5s, 5p d f ...

* RIEMANN ZETA FUNCTION, PRIME NUMBERS ARE EVOLUTIONARY. SUBSEQUENTLY EVOLUTIONARY TRANSLATES INTO ORGANIC (AND/OR ORGANIC POTENTIAL). AND YET, ZERO ("0") IS KINETICALLY & STATISTICALLY. WHAT WE SEE IS NOT A WHOLE SPECTRUM, BUT A FRACTION OF THE SPECTRUM FROM THE PERSPECTIVE OF NUMBER THEORY, AND KINETIC ENERGIES & CORRESPONDING FIELDS OF ENERGIES.

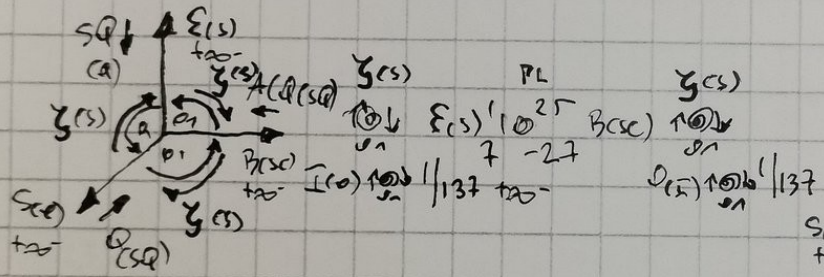


$$\zeta(s) = \sum_{n=1}^{\infty} \frac{1}{n^s}$$



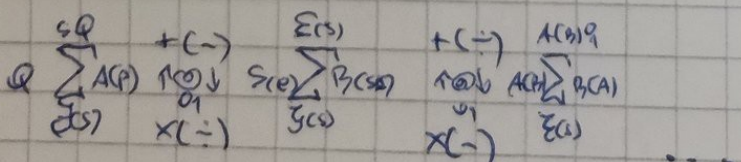
THERE IS A DIRECT AND SUBTLE CORRESPONDING RELATIONSHIP WITHIN $\zeta(s)$, NUMBER THEORY AND PHYSICAL WORLD

FREEMAN DYSON
PROVED STATISTICAL ENERGY LEVELS WITHIN ATOMIC NUCLEUS
H. MONTGOMERY (VIA TOMASZ MILLER LECTURE)



* ZETA FUNCTION, PRIME NUMBERS ARE EQUALLY DEFINED BY KINETIC SEQUENCE (E(S) B(SC) & NUMBER THEORY SEQUENCE), YET, PERMEATING COMPATIBILITY, COMPAT. OPPOSITE, SYMMETRY, ANTISYMM, YET, SUBTLE FUNCTIONS (MICRO) THAT SEQUENTIALLY ARE PRESENT WITHIN MACRO FUNCTIONS & DIMENSIONS, ABSORPTION/EMISSION, ATTRACTION/REPULSION.
IN A SENSE $\zeta(s)$, NUMBER THEORY IS ABOUT DIVERSE ENERGIES (F.)
EVOLUTIONARY $\zeta(s)$ MEANS THAT AT CERTAIN MOMENTUM THE SEQUENCE WILL PROGRESS INTO A NEW SEQUENCE (PERMEATING $+\infty -$).

* $\zeta(s)$, PRIME NUMBERS ARE, DE FACTO, SIMULTANEOUS FUNCTION WITHIN NUMBER THEORY ANALOG (BINARY), E(S) B(SC)

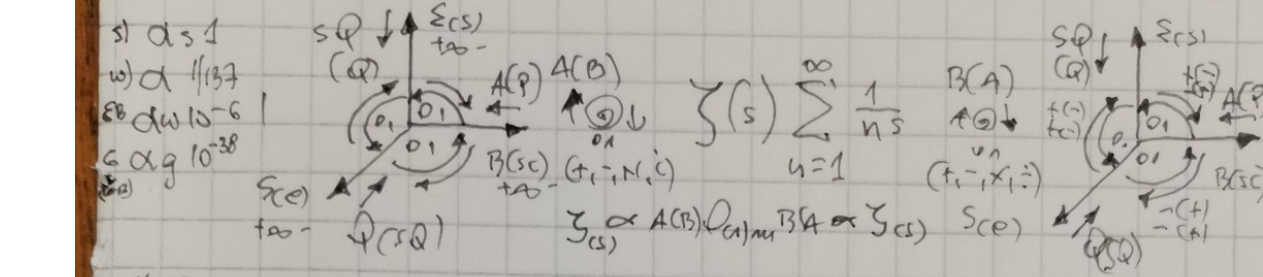


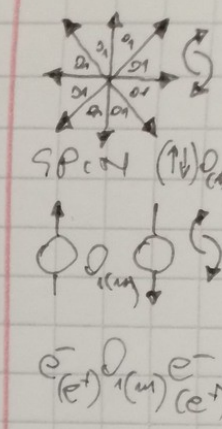
OBSERVATION (ANALYSIS) METHOD: STARS VS "EMPTY" SPACES
BABYLONIANS, EGYPT, GREEKS, TEMPLE, ROME (PERUVIANS).

VARIABLES PROPAGATE KINETIC SETS.
...
PAULI EXCLUSION SHELL MODELS:
1g, 2p, 1f, 2s, 1d, 1p, 1s } KINETIC SCALES, AND KINETIC CRYSTALS

PROOF (PROPOSAL)

* HOMOGENEOUS FUNCTION. ZETA FUNCTION PRIME NUMBERS WITHIN SUPERPOSITION MATRIX.

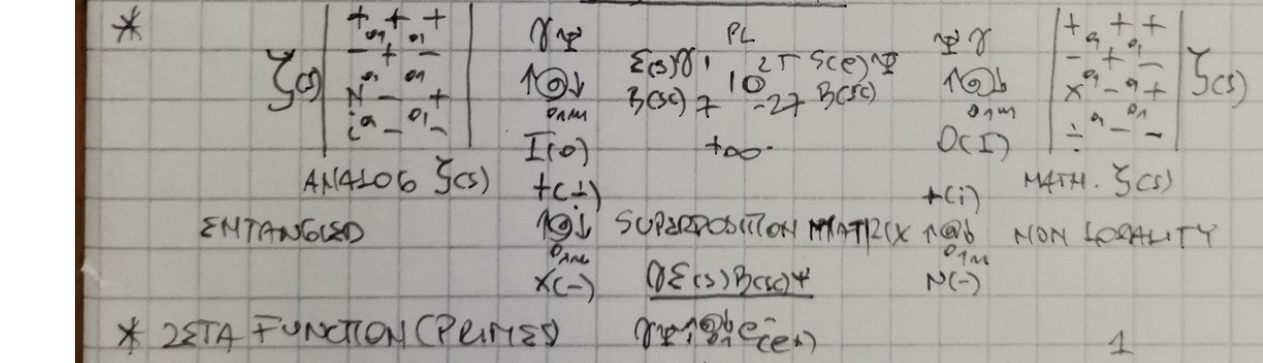



SP(↑↓) (↑↓)
ENTANGLED FUNCTION
. . .
. . .
POLARITY REVERSAL ENTANGLED STATES
. . .
SPIN, POLARITY ELECTRONS, PROTONS NEUTRONS, PHOTONS ARE ENTANGLED, YET SIMULTANEOUSLY CALCULATED.

* PRIME NUMBERS, ZETA FUNCTION, IS ENTANGLED WITHIN HOMOGENEOUS FORMULA, INCLUDING NUMBER THEORY (WHOLE): NATURAL NUMBERS, WHOLE N., INTEGERS, RATIONAL, IRRATIONAL, EVEN N., ODD N., COMPOSITE N., REAL N., IMAGINARY N., YET, PROTONS & NEUTRONS, PHOTONS, FINE STRUCTURE, etc.

* ZETA FUNCTION IS ENTANGLED WITHIN NUCLEONS, YET, SIMULTANEOUSLY CALCULATED WITHIN VECTOR (SCALAR), AND "GAPS", WHICH ARE AN INTEGRAL KINETIC FUNCTION. WE CAN'T SEPARATE ζ(s) FUNCTION FROM THE SPECTRUM.

ZETA FUNCTION IS ALSO A WAVE FUNCTION. FOR EXAMPLE ELECTRON(S) WAVE FUNCTION IS ENTANGLED (SPIN ↓ ↑ etc.), PHOTONS ARE ENTANGLED. THE DISTANCE (SPACE) IS IRRELEVANT BECAUSE ENERGY PROPAGATES ITS OWN SPACE (FIELDS) SO IS, DE FACTO, ENTANGLED (ENERGIES & CORRESPONDING E. FIELDS).



* ZETA FUNCTION (PRIMES) ARE ENTANGLED WITHIN: (KINETICALLY AND/OR POTENTIAL) SPIN

$$\alpha = \frac{1}{137,03599}$$

$(e, \varepsilon_0, \hbar, c, k)$

* CONCLUSION. ZETA FUNCTION, PRIME NUMBERS ARE INTRINSICALLY & ORGANICALLY PREDESIGNED, NON DETERMINISTIC (AS EVOLUTIONARY) SPATIAL, ANALOG (BINARY) FUNCTION), YET, INDEPENDENT OF TIME, ENTANGLED WITHIN MICRO & MACRO DIMENSIONS. IN ADDITION α, ζ(s), etc. ARE, DE FACTO, PERMEATING KINETIC STATES, YET, WAVE FUNCTIONS (PERMEATING).